

DQR3

3" LED Square Retrofit Kit

Product Description

The DQR3 is everything you love about NICOR's recessed downlighting family with the added design aesthetic of a square trim. Compatible with most 3" recessed housings, this luminaire delivers incredible color accuracy with 90+ CRI and flexible dimming capabilities. Designed to boost energy efficiency, the LED light engine draws only 8 watts while achieving a light output of up to 600 lumens. The DQR3 is an ideal commercial, retail, institutional or residential downlight choice for retrofit or new construction. From LED color rendering and trim finishes to fixture performance, the design style blends nicely with other fixtures in this series.

Construction

- Die cast aluminum trim routes heat away from electrical components

Optical System

- Polystyrene diffuser and reflector cone create a uniform light distribution that reduces glare without sacrificing lumen output.

Electrical

- Utilizes high performing LEDs with greater than 90 CRI and an R9 greater than 50
- Dimmable to 10% with most standard triac dimmers
- Thermally protected, high efficiency driver standard
- Operating temperature rating of 0°F to 120°F (-18°C – 49°C)
- Input voltage of 120V
- L70 rated for greater than 50,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

Finish

- Exterior white powder coat finish, with interior high reflective finish
- Also available in Black, Oil-Rubbed Bronze and Nickel

Installation

- Compatible with most 3" recessed housings
- Quick and easy installation with a snap-in IDEAL connector and friction clip mounting system

Warranty

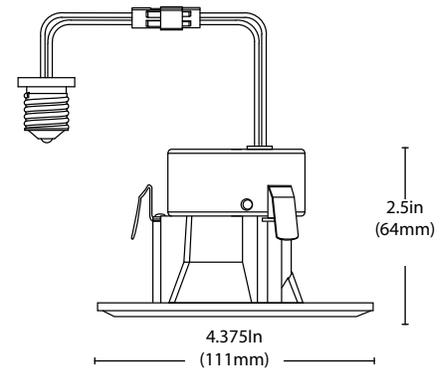
- 5-year limited system warranty standard

Project

Catalog

Type

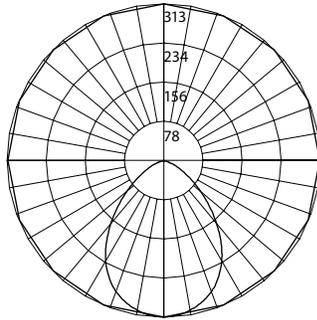
Date



Photometric Data

DQR3 2700K

Input Voltage (VAC)	120V
System Level Power (W)	8.9
Delivered Lumens (Lm)	531
System Efficacy (Lm/W)	59.5
Correlated Color Temp (K)	2689
Color Rendering Index (CRI)	92
Beam Angle	83°
Spacing Criteria	1.14



Intensity Summary (Candle Power)

Angle	Mean CP
0	283
5	281
15	266
25	235
35	185
45	124
55	69
65	31
75	11
85	3
90	0

CCT Data Multiplier

DQR3-10-120-3K	1.040
DQR3-10-120-4K	1.080

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	17.6	4.6
6	7.9	6.8
8	4.4	9.2
10	2.9	11.3
12	1.9	13.5
14	1.4	16.0
16	1.1	17.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	210	39.4%
0-40	325	61.3%
0-60	485	91.2%
0-90	531	100.0%
90-180	0	0.0%
0-180	531	100.0%

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

Performance Data

Model Number	Lumens	Watts	Lumens/Watt
DQR3-10-120-2K	531	8.9	59.5
DQR3-10-120-3K	552	8.9	61.9
DQR3-10-120-4K	573	8.9	64.2

Recommended Dimmers*

Lutron DIVA DVELV-300P
 Lutron DIVA DVELV-303P
 Lutron Skylark SELV-300P
 Cooper 9530

Housing Compatibility*

13200A-LED 3" LED IC AIRTIGHT NEW CONSTRUCTION HOUSING
 13201AR-LED 3" LED IC AIRTIGHT REMODEL HOUSING
 MOST STANDARD 3" RECESSED HOUSINGS

*Not a complete list. Check compatibility before installation.

Ordering Information

Example: DQR3-10-120-3K-WH-BF

Series	Version	Voltage	CCT's	Trim
DQR3	10 (v1.0)	120 (120V)	2K (2700 K)	BK-BF (Black-Baffle)*
			3K (3000 K)	NK-BF (Nickel-Baffle)*
			4K (4000 K)	OB-BF (Oil-Rubbed Bronze-Baffle)*
				WH-BF (White Baffle)

Specifications and dimensions subject to change without notice.

*Only available as special order. Contact NICOR for more info.

Accessories

accessories sold separately

GU24 Socket String

GU24-IDEAL-SKT-STR